

**1/3 - (C) WPI / DERWENT****AN - 1998-333364 [29]****AP - WO1997FR02211 19971204 FR19960015235 19961206; FR19970004638 19970410****PR - FR19970004638 19970410; FR19960015235 19961206****TI - Jacquard heald damper reducing vibration during loom use - composed of a moulded plastics component at the end of a rod with good sliding qualities fitting into the spring****IW - JACQUARD HEALD DAMP REDUCE VIBRATION LOOM COMPOSE MOULD PLASTICS COMPONENT END ROD SLIDE QUALITY FIT SPRING****IN - TARDY J****PA - (TARD-I) TARDY J****PN - WO9824956 A1 19980611 DW199829 D03C3/44 Frn 018pp****- FR2756848 A1 19980612 DW199830 D03C3/44 000pp****- FR2756849 A1 19980612 DW199830 D03C3/44 000pp****ORD - 1998-06-11****IC - D03C3/40 ; D03C3/44 ; F16F13/02****FS - CPI;GMPI****DC - A88 F03 Q63****DS - AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE****DN - US****AB - WO9824956 The damper (12a) for a Jacquard heald spring is a moulded plastics component which has a smooth sliding property. It is fitted with a slight friction in the spring, but with a min. play of 0.05 mm. It is positioned in the rod (13a) at least at one free end, and the other end is integrated with the matching threaded connector. The damper (12a) and the rod (13a), together, have a length (S) from the connector of one-quarter to one-sixth of the spring (6) length.****- USE - The damper unit is in a Jacquard harness, to reduce the vibrations in moving the warps to form the sheds for weaving.****- ADVANTAGE - The damper structure gives it a working life at least as long as the healds, using very small springs.****- (Dwg.2/6)****2/3 - (C) WPI / DERWENT****AN - 1996-130389 [14]****AP - DE19951012887 19950406****PR - DE19951009564 19950316****TI - Clamp device in form of spiral spring - for Jacquard cord and heddle consists of two equally long sections****IW - CLAMP DEVICE FORM SPIRAL SPRING JACQUARD CORD HEDDLE CONSIST TWO EQUAL LONG SECTION****IN - VAN DE SANDT A****PA - (VSAN-N) VAN DE SANDT GMBH & CO KG****PN - DE19512887 C1 19960307 DW199614 D03C3/42 004pp****ORD - 1996-03-07****IC - D03C3/42****FS - CPI****DC - F03****AB - DE19512887 An elastic clamp component is for the Jacquard cord and heddle in a Jacquard harness. The component takes the form of a spiral spring (3) consisting of two equally long sections. One of the sections adjoins the bottom end of the Jacquard cord (1) while the other section adjoins the top end of the frame hook (7). One of the sections is right-hand while the other is left-hand and the two sections are connected to each other.**

OPRI - DIE 02/206570

- **ADVANTAGE** - The invention eliminates twist exerted on the Jacquard cord at high weaving speeds as a result of the torsion of the spring. Consequent detrimental effects on the actual yarn are also avoided.
- (Dwg.1/3)

3/3 - (C) WPI / DERWENT

AN - 1972-36236T [25]

PR - FR19700042259 19701118

TI - Yarn lock - on jacquard stitch/warp rod by sliding sleeve

IW - YARN LOCK JACQUARD STICH WARP ROD SLIDE SLEEVE

PA - (DUT -I) DUTEL M AND A

PN - DE2142953 A 00000000 DW197223 000pp

- FR2114285 A 00000000 DW197243 000pp

ORD - 1900-00-00

IC - D03C3/40

FS - CPI

DC - F03

**AB - DE2142953** The metal stitch/warp rod is fitted with a sleeve of a semi-rigid material to slide down over the stretch yarn as it is passed through the lower eyelet to hold it in place by a friction grip. The lower carrier plate, holding the other end of the stretch yarn, in conjunction with the holding sleeve design allows the construction of a denser fabric when using a Jacquard loom.